



MONICA A-1912080@nec

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DAILY CHALLENGE

ProgramID- 6225



SkillRack

Find the Closest Palindrome

The program must accept a number **N** as the input. The program must print the closest palindromic number as the output. If there are two closest palindromic numbers the program must print the smaller number.

Boundary Condition(s):

 $2 \leq N \leq 999999999999999$

Input Format:

The first line contains the value of N.

Output Format:

The first line contains the closest palindromic number.

Example Input/Output 1:

Input:

124

Output:

121

Example Input/Output 2:

Input:

1439

Output:

1441

Max Execution Time Limit: 5000 millisecs



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Ambiance



Java (12.0)



Reset

```
1 import java.util.*;
2 public class Main {
3     public static boolean isPalidrome(Long a){
4         String str=String.valueOf(a);
5         StringBuilder sb=new StringBuilder(str).reverse();
6         String b=sb.toString();
7         if(str.equals(b)) return true;
8         return false;
9     }
10    public static void main(String[] args) {
11        Scanner sc=new Scanner(System.in);
12        Long n=sc.nextLong();
13        Long m=n;
14        Long o=n;
15        while(m!=0){
16            if(isPalidrome(++m))
17            {
18                break;
19            }
20        }
21        while(n!=0){
22            if(isPalidrome(--o)){
23                break;
24            }
25        }
26        if(n-o<=m-n) System.out.print(o);
27        else System.out.print(m);
28    }
29 }
30 }
```

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Save

Run



Run with a custom test case (Input/Output)



Code saved successfully.